## Government College of Technology, Coimbatore – 641 013 (An Autonomous Institution affiliated to Anna University, NAAC accredited with À`Grade) INTERNAL QUALITY ASSURANCE CELL (IQAC)

Minutes of External Peer Review Meeting

of External Peer Review Meetir Date: 19.11.2022

The External Peer Review meeting for Internal Quality Assurance Cell (IQAC) was held on 19.11.2022, 02.00PM at Conference Hall. The IQAC has constituted an external peer review team with the following members to assess the performance of the college.

## **External Members**

1. Dr. N. Alagumurthi
Professor of Mechanical Engineering
Pondicherry Engineering College
Pondicherry.

Dr.M.Ibrahim Bathusha
 Professor of Civil Engineering
 PSG College of Technology
 Coimbatore.

<b>Internal Members</b>		
Sl.No.	Name	Member Category
1	Dr.P.Thamarai	Convenor
2	Dr.R.Thenmozhi	IQAC Co-ordinator & HoD / UG Civil, PG- Struct & Geotech
3	Dr.J. Jeyanthi	HoD/PG-Env & IBT
4	Dr.K.Ramesh	HoD/Mech & PG-Thermal
5	Dr.N.Nandhakumar	Member & HoD/PG-ED
6	Dr.T.Sekar	HoD/PG-ME
7	Dr.V. Gopalakrishnan	HoD/EEE & EIE
8	Dr.C.Vasanthanayaki	HOD/PG-AE & VLSI
. 9	Dr.C. Santhi	HoD/UG-ECE
10	Dr.S.Srinivasa Moorthy	HoD/Prodn
11	Dr.J.C.Miraclin Joyce Pamila	HoD/CSE

Dr.S.Rathi	Member & HoD / IT
Prof. G. Ravindra Devi Revathy	HoD/Physics
Prof.R. Rajendran	HoD/Maths
Dr.C.Sivasankari	HoD/Chemistry
Dr.R.Rajeswari	Member
Dr.C.Meiaraj	Member
Dr. O. Saraniya	Member
Dr.Sujatha Balaraman	Member
Dr.N.Narmadhai	Member
Dr.R. Chithra	IQAC Co-Coordinator
Tmt.R.R.Sridevi	Member
	Prof. G. Ravindra Devi Revathy Prof.R. Rajendran Dr.C.Sivasankari Dr.R.Rajeswari Dr.C.Meiaraj Dr. O. Saraniya Dr.Sujatha Balaraman Dr.N.Narmadhai Dr.R. Chithra

Principal welcomed the external review members, and Internal IQAC members and pointed out about the benchmarks that has been formulated for the enhancement of quality of the institution. The IQAC Coordinator mentioned about the following quality enhancement strategies the college has devised for the enhancement of quality of the institution.

- I. Curricular aspects
- II. Academic Performance
- III. Research and Innovation
- IV. Student Support and Progression
- V. Infrastructure facilities
- VI. Institutional values and best practices

VII.

I	CURRICULAR ASPECTS:									
	Description	Very good	Good	Satisfactory	Poor					
1	Quality of vision and mission statements		<b>√</b>							
2	Implementation of choice-based credit system (CBCS)	V		Voetser ald tract						
3	Adequacy of courses having focus on employability/ entrepreneurship/ skill development	V								
4	Evidence of procedures for framing POs, PSOs and their adequacy	<b>√</b>			9					
5	Evidence for framing of COs and			4.						

their attainment against set targets

Evidence for structured feedback system

Evidence for NBA Accreditation of UG/PG programs

Quality of UT and SEE question papers

Preparation and adherence to Academic Calendar by the institution

Inplementation of examination reforms

II ACADEMIC DEDECORMANCE

	Pass percentage of graduating students for 2020-21	Rating (Mention Very good, Good, Satisfactory or Poor							
	Name of the Department	No. of students Enrolled	No. of student s Passed	Target	Attained	Rating			
1	Civil Engineering	120	119	90	99	VG			
2	Mechanical Engineering	129	128	90	99	VG			
3	Electrical & Electronics Engg.	66	66	90	100	VG			
4	Electronics & Communication Engg.	66	66	90	100	VG			
5	Production Engineering	60	60	90	100	VG			
6	Electronics & Instrumentation Engg.	62	62	90	100	VG			
7	Computer Science & Engineering	65	65	90	100	VG			
8	Information Technology	65	65	90	100	VG			
9	Industrial Biotechnology	105	105	90	100	VG			
	PG Programmes	- 98							
10	Structural Engineering	15	15	100	100	VG			
11	Environmental Engineering	14	14	100	100	VG			
12	Geotechnical Engineering	15	15	100	100	VG			
13	Engineering Design	12	12	100	100	VG			
14	Manufacturing Engineering	8	8	100	100	VG			
15	Thermal Engineering	11	11	100	100	VG			
16	Power Systems Engineering	13	13	100	100	VG			
17	Power electronics and Drives	8	8	100	100	VG			
18	Applied Electronics	5	5	100	100	VG			
19	VLSI Design	4	4	100	100	VG			
20	Computer Science & Engineering	13	12	100	92	VG			

-	80% STU	IDENTS' PI	LACEN	1ENTS V	VITH MEDI	AN SALARY	PER AI	NNUM R	S.3-4.5 (LA	KHS).	
	Name of	Total	Eli	No.	% of pla	acement		Access to the second	Satisfact	Poor	1
	the Dept	No. of studen ts	gib le Stu	of stud ents	Target	Attained	good (95- 100 %)	(85- 95%)	ory (75- 85%)	Less than 75%	

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			de	plac						
			nts	ed		- 5.0	2012			
1	Civil	120	70	60	80	86		G	125	
2	Mechanical	130	80	72	80	90		G		
3	EEE	67	60	56	80	93		G		
4	ECE	66	55	49	80	89		G		
5	EIE	60	50	41	80	82			S	
6	Production	62	60	58	80	97	VG			
7	CSE	65	<i>ĕ</i> 56	56	80	100	VG			
8	IT	65	55	51	80	93		G	11.	
9	IBT	105	70	57	80	81	WHT 022		S	
1	PG Program	mes								
10	Structural Engg	15	15	-	60	-				P
11	Environmen tal Engg	14	14	1	60	7				P
12	Geotechnical Engg	15	15	2	60	13	100,000			P
13	Engg Design	12	12	1	60	8	3 1			P
14	Manufacturi ng Engg	8	8		60	-				P
15	Thermal Engg	11	11	3	60	27				Р
16	Power Systems Engg	14	14	3	60	21				P
17	Power electronics and Drives	9	9	3	60	33				P
18	VLSI Design	4	4	2	60	50				P
19	Applied Electronics	5	5	2	60	40			1	P
20	CSE	14	14	11	60	79			S	
III						INNOVATIO	N			
			Ouali			ge of faculty		h.D.		
	Name of the Dept	Total No.	N	o. of culty		aculty	Very good	Good (60-	Satisfac tory	Poor (Less
		Faculty	7	with Ph.D	Target	Attained	(80- 100 %)	80%	(50- 60%)	than 50%)
1	Civil	23		15	75%	65%	,	G	To the second	
2	Mechanical	15		10	75%	67%	Section 1	G		
3	EEE	14		9	75%	64%		G		
4	ECE	16		10	75%	63%		G		
5	EIE	12		5	75%	42%	and the same	u		P
6	Production	11		7	75%	64%		G		1
7	CSE	12	1	7	75%	58%	- 13	u	S	
8	IT	11	I SOL	5	75%	45%	8.9		3	P
9	IBT	16		8	75%	50%			S	r

	Science & Humanities	21	11	75%	52%			S	
		Academic R	lesearch - %	of faculty h	naving high	quality	publica	ations:	
SI. No.	Name of the Dept		그는 사람들이 하는 것이 되는 것이 되었다. 그는 사람들은 사람들이 되었다는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.		gh quality ations	Very good	Goo d	Satisfac tory	Poor
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2	Mechanical		15	18			G		
3	EEE		14	1	1	200.00		S	
4	ECE		16	3	3				P
5	EIE		12	į	5				P
6	Production	we5.851	11 ,	1	2	100 000 000	G		
7	CSE		12	2	1	VG			144 T
8	IT		11	2	5	VG			
9	IBT	*	16	1	3			S	
10	Science & Hui	manities	21		,				P
	Academic Res	earch - No.	of faculty ha	ving funded	projects:				
	Name of th		No. of Faculty	Organi		Durat the pi		Amount F	Received
1.	CSE		2	AIC	TE	3 ye			
2.	EEE		1	TNSCST,		3Mo			7,500
3.	EEE		1	TNSCST,		ЗМо		7,50	
4.	Civil,IBT		3	AICTE				5,88,23	
						3 Years 2 Years			
5.	IBT		1		CST	2 Ye	ears		2,04,000
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Indi	Istry – Institut Signing of Mo All the depart	U with Induments have benefit of st Industries	(Mention Rat astries and M signed MoU udents in Int	ting ) utual bene with Indus ernships ar	fits. stries. GCT ad Project	signed N	NoU wit		
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- 11. Yellow belt MSME certified Six Sigma Programme offered by MSME Technology Development Centre for the benefit of students.
- 12. An International Conference and Exhibition on ICT in the Theme Building a sustainable deep technology ecosystem was organized for about 100UG Students by Confederation of Indian Industries.
- 13. Tech Expo 2022 was organized to showcase the activities of various Clubs and Cells of GCT on the occasion of National Technology Day 2022 by IIIC and IIC.
- 14. Women Empowerment Cell, GCT conducted events on the theme Media news on Sexual Harassment Observe, Explain and Solution for UG and PG Students from 3<sup>rd</sup> to 5<sup>th</sup> March 2022.
- 15. A debate for Students was conducted by Women Empowerment Cell. Awareness Programme on the theme Recent incidents in connection with Women Harassment was organized by WEC on 18.05.2022.

Sl. No.	Description	Very	Good	Satisfactory	Poor
1	Student's participation in IIT's NIT's, Govt. Institutions and Private institutions.		<b>√</b>		
2	Prize achievements by students in various events		<b>√</b>		
3	Participation in Social awareness activities		1		
4.	Scholarships and Financial Support		V		
5	Number of capability enhancement and development schemes		<b>√</b>		)
6	Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases		<b>√</b>		
7	Student progression to higher education in percentage during the year		<b>√</b>		
8	Number of awards/medals for outstanding performance in sports/cultural activities at national/international level	i and in	e tali iga	ongså de neder projekt de neder Juddelf et en en	
9	Role of alumni in college development		<b>√</b>		

V	INFRASTRUCTURE FACILITIES				
		Very	Good	Satisfactory	Poor
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms Laboratories Seminar halls	1	\$ 5/8	radions No.	
	Faculty rooms Smart class rooms				
2.	Internet facilities for faculty and students		1		
3.	Computing facilities	V			
4.	Library resources	1			
5.	Common facilities (Bank with ATM, Reprographic facilities, hostels, canteen etc)	1			
VI	INSTITUTIONAL VALUES AND BEST	T PRACTIC	ES	THE RESERVE OF THE PARTY OF THE	
	Description	Very good	Good	Satisfactory	Poor
1	Environmental Consciousness and Sustainability/Alternate Energy initiatives	V			
2.	Activities conducted for promotion of universal Values and Ethics		~		
3.	Adequacy of having best practices	V			
VII	GOVERNANCE, LEADERSHIP AND M	MANAGEM	ENT		
	Description	Very good	Good	Satisfactory	Poor
1.	Teaching and nonteaching staff attended training programs		1		
2.	Adherence to Quality policies	1			
3.	Various administrative committees/cells/clubs and its duties	1			
4.	Financial support for staff training				
5.	Benefits to Teaching and nonteaching staff		V		
6.	Safety measures in the college				

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. The committee reviews its teaching learning process, structures and methodologies of operations and learning outcomes through IQAC set up as per norms. The committee appreciates the well maintained academic records/course files, infrastructure facilities, students involvement in various extracurricular and cocurricular activities. Also it commended about the steps taken towards best practices

adopted in Institution. The committee appreciated the functions of various cells like EDC, Women Empowerment Cell, Industry - Institute activities etc.

Suggestions for improvement:

Suggestions for improvement from enternals is enclosed.

**External Auditor 1** 

Dr. N. Alagumurthi Professor of Mechanical Engineering Pondicherry Engineering College Pondicherry.

**External Auditor 2** 

Dr.M.Ibrahim Bathusha Professor of Civil Engineering PSG College of Technology

Coimbatore.

**IQAC Director** 

Dr.R. Thenmozhi Professor of Civil Engg GCT, Coimbatore

Chairman 19/11/22

Dr. P.Thamarai Principal GCT, Coimbatore

## Suggestions for improvement by Dr. N. Alagumurthi

- 1. Audit manual is to be prepared.
- 2. Targets to be fixed for all parameters. Real targets based on NBA/NAAC are to be set.
- 3. Publication target to be set as per NAAC/NBA requirements.
- 4. Target to be fixed for publication by each individual faculty and to be audited by internal audit team.
- 5. Funded projects are not sufficient for the year 2021-22. It is observed that only eight faculty members are involved in obtaining external funding. Faculty members must be motivated to apply for funded projects.
- 6. Institute-Industry interaction is found to be good.
- 7. Faculty members are to be encouraged to obtain Industry sponsored projects.
- 8. Every Student must be encouraged to participate in various events conducted by other reputed institutions. Also targets may be fixed say at least an event has to be attended by each individual.
- 9. Target level may be reduced for achieving prizes in the events participated and some scale like below may be preset.
  - 1-2 % poor
  - 2-5%-Satisfactory
  - 5-7% Good
  - 7-10% very good.
- 10. Availability of Internet facilities can be improved as per AICTE requirement.
- 11. Suitable mechanism may be formulated to financially support faculty members attending various conferences, programmes, events etc..
- 12. More number of IPR related programmes may be arranged to enlighten the faculties so as to increase the number of patents.
- 13. Some rational approach to be framed and followed in the auditing procedure.

## Suggestions for improvement by Dr.M.Ibrahim Bathusha

- 1. Placement drives for student to improve placement.
- 2. Encouraging Students for clearing GATE
- 3. Number of MoU need to be increased
- 4. Student Projects could be done in tie up with Government Departments / Industry oriented.
- Final Year students are to be encouraged to participate SIH competition conducted by Higher level Institutions like IITs, NITs, SERC and NEERI.

**IQAC Director** 

her 19.11.22

Dr.R. Thenmozhi

Professor of Civil Engg GCT, Coimbatore Chairman

Dr. P.Thamarai

Principal GCT, Coimbatore